

In the Claims

1-12. (cancelled)

13. (new) A device for controlling and actuating a vibrating mechanism, comprising:

a hydraulic pump;

a hydraulic motor driven by said hydraulic pump via a hydraulic circuit;

a vibrator driven by said hydraulic motor;

a secondary branch connected to said hydraulic circuit;

a pressure regulator connected in said secondary branch and having first and second opposing control inputs connected to a fluid input of said pressure regulator; and

a hydraulic switch connected to and controlling said pressure regulator, and having a switch input connected in fluid communication with said second control input.

14. (new) A device according to claim 13 wherein

said vibrator is part of a soil tamping machine.

15. (new) A device according to claim 13 wherein

said hydraulic switch has a base position forming an “off” position and connecting said switch input in fluid communication with a tank such that said hydraulic switch is relieved to tank pressure.

16. (new) A device according to claim 15 wherein
said hydraulic switch comprises an energy storage device biasing said hydraulic switch to
said “off” position.

17. (new) A device according to claim 16 wherein
said energy storage device comprises a reset spring.

18. (new) A device according to claim 13 wherein
a throttle valve is in a line connecting said first and second control inputs of said pressure
regulator and said hydraulic switch, and is upstream of a branch to said second control input.

19. (new) A device according to claim 18 wherein
said throttle valve has a pressure adjustment value corresponding to a pressure adjustment
value of a set spring on said pressure regulator assigned to said second control input to which
said throttle valve is connected.

20. (new) A device according to claim 19 wherein
said set spring biases said pressure regulator towards a blocking position interrupting
fluid flow between said fluid input of said pressure regulator and a tank; and
said pressure regulator establishes a fluid communication connection in a passage
position thereof.

21. (new) A device according to claim 13 wherein

said hydraulic switch is a 2/2-way valve.

22. (new) A device according to claim 13 wherein

said hydraulic switch comprises first and second opposing control spaces connected in fluid communication.

23. (new) A device according to claim 22 wherein

said hydraulic switch is a 2/2-way valve.

24. (new) A device according to claim 22 wherein

said hydraulic switch comprises an energy storage device biasing said hydraulic switch to said “off” position; and

said first control space has a first cross-sectional area greater than a second cross-sectional area of said second control space such that an excess of force is produced in said first control space to overcome combined forces from said energy storage device and a hydraulic force from said second control space in an “operation” position.

25. (new) A device according to claim 14 wherein

said hydraulic circuit comprises a pressure reducing valve in a supply circuit portion of said hydraulic circuit connecting said hydraulic pump to a hydraulic drive of said soil tamping machine to supply said hydraulic drive with a predetermined pressure lower than pressure from said hydraulic pump.

26. (new) A device according to claim 13 wherein

a pressure limiting valve is connected to said pressure regulator for safeguarding maximum pressure.